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CXA-206-1 Citrix XenApp 6.5 Administration

Course Duration: 5 days

Overview: Citrix XenApp 6.5 Administration training course provides the foundation necessary for administrators to effectively centralize and manage applications in the datacenter and instantly deliver them as a service to users anywhere. Learners will receive training for installing and configuring Citrix XenApp 6.5 for Windows Server 2008 R2, Citrix Receiver and plug-ins, as well as for using administrative consoles and tools to configure resources, policies, server and farm settings, printers, virtualized applications and more. Certification: This course prepares you for Exam A20 Citrix XenApp 6.5 Administration, the requirement for the CCA for Citrix XenApp 6.

Outline:

Lesson 1 - Basic Administration for Citrix XenApp 6
XenApp Editions
XenApp Features
XenApp Architecture
XenApp Components
Single and Multiple Farm Environments
XenApp Servers: Session Host-Only and Controllers
Data Store
Data Store Updates and the Local Host Cache
Independent Management Architecture
Data Collectors
Data Collector Election
Zones
Additional XenApp Components
AppCenter

Lesson 2 - Licensing XenApp
XenApp Licensing
Licensing Communication
License Communication Process
License Types
Citrix License Server
Microsoft Remote Desktop Services
Remote Desktop Licensing
Additional Licensing Considerations
License Administration Console
Port Configuration
Delegated Administrators in the License Administration Console
Installing Licensing
Manual Installation and Configuration
Removing Licensing
License Server Considerations
License File Management
Obtaining License Files
Adding License Files
Subscription Advantage
High Availability Considerations
Additional License Server Processes
License Server Clustering

Lesson 3 - Installing XenApp
XenApp Server Role Manager
Hardware Requirements
Software Requirements
Installation Decisions
Server Configuration Tool
Dyamic Data Center Provisioning
Role-Based Uninstall
XenApp Configuration Options
Which farm or zones will be used in the environment?
Which server will be used as the license server?

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Which database engine will be used for the data store database?

Will shadowing be enabled?

On which port will the Citrix XML service run?

When will users be added to the local remote desktop users group?

Will pass-through authentication be used in the environment?

Will information in the data store and configuration logging databases be protected with IMA encryption?

Web Interface Installation Decisions

Lesson 4 - Configuring XenApp Administration

Worker Groups

Managing Worker Groups

Administrator Privilege Levels

Creating Administrator Accounts

Configuring Administrator Permissions

Configuring Folder Permissions

Delegating Administration

Configuration Logging

Creating the Configuration Logging Database

Configuration Logging Database Settings

Enabling Configuration Logging

Lesson 5 - Installing and Configuring Web Interface

Web Interface Ports

Web Interface Communication Process

Web Interface Installation

Site Creation

Creating a Web Interface Site

Site Creation Considerations

XenApp Web Site Configuration Options

XenApp Services Site Configuration

Web Interface Site Modification

Modifying the Web Interface Configuration File

Using the Web Interface Management Console

Specifying Citrix Plug-In Backup URLs

Site Appearance

Site Customization Options

Session Preferences

Session Options

User Options

Workspace Control

Functionality

Configuration Options

User Customization

Configuring Workspace Control

Session Termination

Citrix Plug-Ins and Web Interface

Plug-In Deployment Options

Automatically Detecting Plug-Ins

Client Detection

Authentication Configuration

Authentication Options

Generic RADIUS Support

Explicit Authentication

Pass-Through Authentication

Smart Card Authentication

Citrix XML Service Trust Relationships

Secure Access Configuration

Access Methods

Network Address Translation

Network Address Translation Access Types

Server Configuration

Configuring Multiple Farms

Adding Farms

Configuring Load Balancing

Enabling Fault Tolerance

Specifying the XML Communication Port

Ticket Expiration Settings

Web Interface Site Removal

Troubleshooting Web Interface Issues

Lesson 6 - Delivering Applications and Content

Published Resources

Types

Resource Publishing Phases

Resource Name and Location

Server Assignment

Configured or Anonymous Accounts

Users and Groups

Resource Publishing Settings

VM Hosted Apps

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Components
Organizing Published Resources for Users
Advanced Published Resource Settings
Access Control
Content Redirection
Implementing Resource Limits and Client
Options

Configuring Resource Appearance
Published Resource Configuration
Session Pre-Launch
Managing Connections to Resources
Disabling or Hiding a Published Resource
Troubleshooting Application Delivery Issues

Lesson 7 - Streaming Applications
Application Streaming
Benefits
Components
Communication Process
Streaming App-V Packages
Citrix Offline Plug-In
Cache
Installation
Citrix Streaming Profiler
Profiling Process
Installing the Citrix Streaming Profiler
Creating a Profile
Profile Security Setting
Targets
Inter-Isolation Communication
Profile Preference Settings
Profile System Requirements
Profile Installation Types
Profile Properties
Known Limits for Profiling Applications

Target Properties
Upgrading an Application in a Target
Application Delivery Methods
The Use Web Delivery Method
Streaming to Servers
Publishing a Streamed Application
Specifying an Alternate Profile for a Published
Application
Enabling the Least-Privileged User Account
Configuring Sites for Streaming Applications
Support for Both Remote and Streaming
Applications
Offline Access Management
Indirect Membership to the Offline Access List
Providing Offline Access
Offline Access Period
Renewing Offline Access Period
Application Caching
Pre-Deployment of Streaming Applications
Troubleshooting Streaming Issues

Lesson 8 - Configuring Policies
Group Policy Integration
IMA-Based Group Policies
Group Policy Extensions
Group Policy Architecture
Policy Evaluation
Process

Policy Processing and Precedence
Policy Changes Example
Policy Precedence Exceptions
Policy Rules
Support for Policy Templates
Policy Filtering
Policy Modeling

Lesson 9 - Configuring Load Management
Load Manager
Load Balancing
Process
Load Calculation
Load Evaluator Configuration
Creating Custom Load Evaluators

Thresholds for Load Management
Assigning Load Evaluators to Servers and
Applications
Load Balancing Policies
Creating Load Balancing Policies
Force Application Streaming
Preferential Load Balancing

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Example

Considerations

Troubleshooting Load Management Issues

Lesson 10 - Optimizing the User Experience

Optimizing Session Performance

Enabling Display Settings

HDX Broadcast Session Reliability

Enabling

HDX Broadcast Session Reliability

Considerations

HDX RealTime

Enabling

Design Considerations

HDX Plug-n-Play

Enabling

Design Considerations

HDX MediaStream Windows Media Redirection

HDX MediaStream Flash Redirection

HDX 3D Image Acceleration

Enabling

HDX 3D Progressive Display

Enabling

User Profiles

Differentiating User Profile Types

Redirecting User Data

Managing User Profiles

Enabling Profile Management

Profile Management Logon Process

Troubleshooting User Experience Issues

Lesson 11 - Configuring Self-Service Applications

Self-Service Applications Technologies

Citrix Receiver

Windows

Macintosh

Citrix Merchandising Server

Architecture

Plug-Ins

Supported Plug-ins, Clients, and Receivers

Plug-In Delivery

Client for Java

Installation Considerations

Troubleshooting Self-Service Application Issues

Lesson 12 - Configuring Printing

Printing Concepts

Printing Definitions

Printer Types

Printing Security

Default Printing Behavior

Altering the Default Printing Behavior

Printer Provisioning

User Self-Provisioning

Printer Auto-Creation

Printing Pathways

Network Printing Pathway

Client Printing Pathway

Printing Pathway Demonstration

Printer Drivers

Citrix Universal Printing

Enhanced MetaFile Format

Print Preview

Citrix Universal Printer

Configuring Citrix Universal Printing

Administrator-Assigned Network Printers

Adding a Network Printer

Editing Network Printer Settings

Specifying the Default Printer

Workspace Control and Proximity Printing

Configuring Proximity Printing

Printing Preferences

Printing Properties

Printing Preference Hierarchy

Configuring Printer Property Retention

Printing Bandwidth

Troubleshooting Printing Issues

Lesson 13 - Securing XenApp

XenApp Security Solutions

SecureICA

Citrix SSL Relay

Communication

Configuration

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Access Gateway
Deployment Scenarios
Communications
Digital Certificates
Securing Access to Hosted Applications
SmartAccess
Web Interface Configuration

Access Methods
Access Gateway Settings
Configuring Web Interface for Access Gateway
Connections
Security Configuration Best Practice
Troubleshooting Access Gateway with XenApp

Lesson 14 - Monitoring XenApp
Health Monitoring and Recovery
Service Monitoring for XenApp
Components
Communication
License Usage Monitoring
Configuring License Alerts

Viewing License Usage
Viewing Historical License Data
Workflow Studio
Architecture
Workflow Automation Use Case
Accessing the Farm using PowerShell
Administering the Farm using Commands

Lesson 15 - Additional Component
SmartAuditor
Components
Session Recording Process
Single Sign-On
Components
Process
Branch Optimization

Branch Repeater Components
Branch Optimization Process for the Plug-In
Provisioning Services
Components
Power and Capacity Management
XenServer
Components

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